

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : De Jong, *et al.*  
Serial No. : 09/815,981  
Filed : March 22, 2001  
Cust. No. : 20985

Art Unit : 1636  
Examiner : Sullivan, D.M.  
Conf. No. : 7622

Title : METHODS FOR DELIVERING NUCLEIC ACID MOLECULES INTO  
CELLS AND ASSESSMENT THEREOF

**MAIL STOP RCE**

Commissioner for Patents  
P.O. Box 1450  
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**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Since this Supplemental Information Disclosure Statement is filed after the receipt of a first Office Action on the merits for the above-captioned application, the filing fee of \$180.00 is enclosed. If no proper payment is enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal, or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account no. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant hereby provides this Supplemental Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§ 1.97-1.98. Form PTO-1449 (1 page) and copies of the cited documents are provided herewith.

The cited documents, listed on Form PTO-1449 and supplied herewith, are in the English language. Hence, in accordance with the requirements of 37 C.F.R. § 1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R. § 1.97(h), the filing of this Supplemental Information Disclosure Statement

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03/30/2004

Mark T. Hernandez

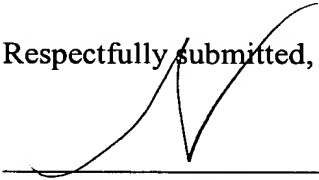
Applicant : De Jong *et al.*  
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Attorney's Docket No.: 24601-416B  
(17084-018002)

shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,



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Substitute Form PTO-1449 (Modified) <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR 1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 24601-416B (17084-018002)	Application No. 09/815,981
	Applicant De Jong, <i>et al.</i>		
	Filing Date March 22, 2001	Group Art Unit 1636	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
		NONE					

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
		NONE						

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AA	Batel, <i>et al.</i> , "A Microplate Assay for DNA Damage Determination ( <i>Fast Micromethod</i> ) <sup>1</sup> in Cell Suspensions and Solid Tissues," <i>Anal Biochem.</i> , <b>270</b> (2):195-200 (1999)
	AB	Bordignon, <i>et al.</i> , "Gene Therapy in Peripheral Blood Lymphocytes and Bone Marrow for ADA <sup>+</sup> Immunodeficient Patients," <i>Science</i> , <b>270</b> :470-475 (1995)
	AC	Compton, <i>et al.</i> , "An improved method for routine preparation of intact artificial chromosome DNA (340-1000 kb) for transfection into human cells," <i>Nucleic Acids Research</i> <b>27</b> (7):1762-1765 (1999)
	AD	David A. Dean, "Import of Plasmid DNA into the Nucleus Is Sequence Specific," <i>EXPERIMENTAL CELL RESEARCH</i> , <b>230</b> :293-302 (1997)
	AE	Dowty, <i>et al.</i> , "Plasmid DNA entry into postmitotic nuclei of primary rat myotubes," <i>Proc. Natl. Acad. Sci. USA</i> , <b>92</b> :4572-4576 (1995)
	AF	Leahy, <i>et al.</i> , "Novel Biotinylated Plasmid Expression Vectors Retain Biological Function and Can Bind Streptavidin," <i>Bioconjug Chem.</i> , <b>7</b> :545-551 (1996)
	AG	Loyter, <i>et al.</i> , "Mechanisms of DNA uptake by mammalian cells: Fate of exogenously added DNA monitored by the use of fluorescent dyes," <i>Proc. Natl. Acad. Sci. USA</i> , <b>79</b> :422-426 (1982)
	AH	Mascarenhas, <i>et al.</i> , "Gene Delivery to Human B-Precursor Acute Lymphoblastic Leukemia Cells," <i>Blood</i> , <b>92</b> (10):3537-3545 (1998)
	AI	Neves, <i>et al.</i> , "Coupling of a targeting peptid to plasmid DNA by covalent triple helix formation," <i>FEBS Letter</i> , <b>453</b> (1-2):41-45 (1999)
	AJ	Oberle, <i>et al.</i> , "Efficient transfer of chromosome-based DNA constructs into mammalian cells," <i>Biochimica et Biophysica Acta</i> <b>1676</b> , 223-230 (2004)
	AK	Tsuchiya, <i>et al.</i> , "Characterization of a DNA Uptake Reaction through the Nuclear Membrane of Isolated Yeast Nuclei," <i>Journal of Bacteriology</i> , <b>170</b> (2):547-551 (1988)
	AL	Zabner, <i>et al.</i> , "Cellular and Molecular Barriers to Gene Transfer by a Cationic Lipid," <i>J. Biol. Chem.</i> , <b>270</b> (32):18997-19007 (1995)

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Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)